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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/549,480	09/15/2005	Masahiro Yamakawa	4670-0110PUS1 8164		
	7590 08/01/200 ART KOLASCH & BI	EXAMINER			
PO BOX 747			REDDY, KARUNA P		
FALLS CHURCH, VA 22040-0747			ART UNIT	PAPER NUMBER	•
		1713			
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			NOTIFICATION DATE	DELIVERY MODE	
•	•		08/01/2007	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

	Application No.	Applicant(s)				
	10/549,480	YAMAKAWA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Karuna P. Reddy	1713				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 18 Ju	<u>ine 2007</u> .					
·=	This action is FINAL. 2b) This action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) ☐ Claim(s) 1-11 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-11 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine	epted or b) objected to by the drawing(s) be held in abeyance. Serion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d)				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some color None of: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate				

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DETAILED ACTION

 This office action is in response to amendment filed on June 18, 2007. Claims 1-11 are currently pending.

Claim Rejections - 35 USC § 102/103

- The statutory statements from paragraph 1-3 of previous office action dated Jan
 18, 2007 are incorporated herein by reference.
- 3. Claims 1-4 and 6-11 remain rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Yamakawa et al (US 6,656,633 B2).

The rejection is adequately set forth in paragraph 4 of previous office action dated Jan 18, 2007 and is incorporated herein by reference.

Claim Rejections - 35 USC § 103

4. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over

Yamakawa et al (US 6,656,633 B2) as applied to claims 1-4 and 6-11 above, and further in view of Kasuke (JP 08-107047).

The rejection is adequately set forth in paragraph 5 of previous office action dated Jan 18, 2007 and is incorporated herein by reference.

Response to Arguments

5. Applicant's arguments filed on Jan 18, 2007 in response to rejection of claim 1-4 and 6-11 under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Yamakawa et al (US 6,656,633 B2) have been fully considered but they are not persuasive.

In response to applicant's argument that binder of Yamakawa et al is used for an electrode for lithium ion secondary battery as opposed to an electrode for electric double layer capacitor of present invention, a recitation of the intended use of the claimed invention must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use, then it meets the claim.

In response to applicant's arguments, the recitation "for an electrode for an electric double layer capacitor" has not been given patentable weight because the recitation occurs in the preamble. A preamble is generally not accorded any patentable weight where it merely recites the purpose of a process or the intended use of a structure, and where the body of the claim does not depend on the preamble for completeness but, instead, the process steps or structural limitations are able to stand alone. See *In re Hirao*, 535 F.2d 67, 190 USPQ 15 (CCPA 1976) and *Kropa v. Robie*, 187 F.2d 150, 152, 88 USPQ 478, 481 (CCPA 1951).

As to the experimental report intended to show unexpected results, it is not presented in the form of an affidavit or declaration.

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Even if it was presented in the form of an affidavit or declaration, applicants arguments on data pertaining to superior "swelling ratio to electrolytic solution", "peel strength", "industrial discharge capacity" and "discharge capacity" after 100 hours at 70°C" is not convincing for the following reasons: The components in the invention example no. 1 and the comparative runs no. 2 and 3 include more than one variable to ascertain the advantages of the invention. The trials are not back-to-back consecutive trails because the inventive run includes as monomer components - n-butyl acrylate and methacrylonitrile while the comparative runs include a combination of n-butyl acrylate, methacrylonitrile and acrylic acid or a combination of 2-ethylhexyl acrylate, methacrylonitrile and acrylic acid. Back-to-back runs require that the monomer components remain the same in all trials. Therefore, it is not clear if the superior "swelling ratio to electrolytic solution", "peel strength", "industrial discharge capacity" and "discharge capacity after 100 hours at 70°C" cited in the experimental report is to be attributed to the difference in the monomer components or to the multifunctional component (C) i.e. diethylene glycol dimethacrylate.

Additionally, the working examples in table 1 of the instant specification disclose only two multi-functional ethylenically unsaturated carboxylic acid esters i.e. diethylene glycol dimethacrylate and tetraethylene glycol dimethacrylate. However, instant claim 1 includes a broad genus of multi-functional ethylenically unsaturated carboxylic acid ester that does not appear to be commensurate in scope with the experimental data. Even if the trials are back-to-back consecutive

trials, data is not commensurate in scope with the claims. Further, it is also not evident if the difference in superior "swelling ratio to electrolytic solution", "peel strength", "industrial discharge capacity" and "discharge capacity after 100 hours at 70°C" for inventive and comparative trials in table 1 of the instant specification is substantial to demonstrate unexpected results.

For reasons discussed above, the rejections over Yamakawa et al are maintained.

6. Applicant's arguments filed on Jan 18, 2007 in response to rejection of claim 5 under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Yamakawa et al (US 6,656,633 B2) have been fully considered but they are not persuasive.

The reasons for sustaining rejection under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Yamakawa et al (US 6,656,633 B2) is provided in paragraph 5.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire

THREE MONTHS from the mailing date of this action. In the event a first reply is

filed within TWO MONTHS of the mailing date of this final action and the advisory

action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karuna P. Reddy whose telephone number is (571) 272-6566.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on (571) 272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service

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Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Karuna P Reddy Examiner Art Unit 1713

/KR/

DAVID W. WU

"BORY PATENT EXAMINER
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